

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: EPOXY PRIMER
PRODUCT CODE: 463-12-8

HMIS CODES: H F R P
2* 3 0 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: SIKKENS AEROSPACE
ADDRESS: 20846 SOUTH NORMANDIE AVENUE, TORRANCE, CA 90502
EMERGENCY PHONE: 213-320-6800 INFORMATION PHONE: 213-320-6800
DATE PREPARED : 07-21-87 NAME OF PREPARER : BRENT BERGMAN
REASON REVISED : ORIGINAL

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS COMPONENTS | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS | | | VAPOR PRESSURE | | WEIGHT PERCENT |
|---|------------|------------------------------|------------|------------|----------------|------|----------------|
| | | ACGIH TLV | OSHA PELV | NIOSH PELV | mm Hg @ | TEMP | |
| Xylene | 1330-20-7 | 100 ppm | 100 ppm | | 21.0 | 100F | 10 |
| Methyl isobutyl ketone | 108-10-1 | 100 ppm | 50 ppm | | 15.0 | 68F | 10 |
| n-Butyl alcohol | 71-63-3 | 100 ppm | 50 ppm | | 4.3 | 68F | 5.0% |
| Methyl ethyl ketone | 78-93-3 | 200 ppm | 200 ppm | | 75.0 | 68F | 15 |
| n-Butyl Acetate | 123-86-4 | 150 ppm | 150 ppm | | 8.0 | 68F | 5 |
| Cr content in Chromium compounds | 7440-47-3 | 0.50 mg/m3 | 0.50 mg/m3 | | N/A | | 0.12 |
| Pb content in Lead compound | 7439-92-1 | 0.15 mg/m3 | 0.05 mg/m3 | | N/A | | 0.53 |
| Hexavalent Chromium in Calcium Chromate | 7440-47-3 | 0.05 mg/m3 | 0.5 mg/m3 | | N/A | | 3.54 |

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 175 to 281 Deg F SPECIFIC GRAVITY (H2O=1): 1.2
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
V.O.C.: 512 grams/liter
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: Green liquid Fruity odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 23 Deg F METHOD USED: T.O.C.
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% UPPER: 11.5%

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Full emergency equipment with self contained breathing apparatus should be worn. During a fire, irritating and highly toxic gases (see reactivity data) and smoke may be present from decomposition/combustion products.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Ignite from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Solvent vapors may be heavier than air. Under conditions of stagnant air, vapors may build up and travel along the ground to an ignition source which may result in a flash back to the source of the vapors.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID

Storage at temperatures above maximum.

INCOMPATIBILITY (MATERIALS TO AVOID)

Contamination with strong acids, bases, amines or mercaptans can cause polymerization.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Repeated or prolonged exposure may cause irritation to respiratory tract. Heating may generate vapors that could cause headaches, nausea, dizziness and respiratory irritation if inhaled.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Contains materials that may cause moderate skin injury (reddening and swelling) May be a weak sensitizer. Can cause allergic skin reaction in certain individuals May cause severe eye injury -- damage reversible.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

No specific information available. Contains materials that may be slightly toxic.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

No specific information available. Contains materials that may be slightly toxic

HEALTH HAZARDS (ACUTE AND CHRONIC)

No specific information available. Contains solvents which are reported to be associated with central nervous system damage after repeated and prolonged exposure. Contains solvents which are reported to cause liver and kidney damage on repeated overexposure. Contains strontium chromate which is harmful if swallowed. Repeated or prolonged exposure may cause skin, eye and respiratory tract irritation. Long term overexposure to strontium chromate may cause cancer.

CARCINOGENICITY: NTP? YES IARC MONOGRAPHS? YES OSHA REGULATED? YES

Contains hexavalent chrome which is carcinogenic.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Chronic lung disease and dermatologic conditions.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with clean, lukewarm water (low pressure) for at least 15 minutes., occasionally lifting eye lids. Obtain medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

INHALATION: Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention immediately.

INGESTION: Induce vomiting and obtain medical attention immediately.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Dike or impound spilled material and control further spillage if feasible. Cover spill with sawdust, vermiculite, Fuller's earth or other absorbant.

WASTE DISPOSAL METHOD

Waste material should be incinerated or disposed of in accordance with Federal, State and local environment control regulations. Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contamination of skin. Do not apply to hot surfaces or use in areas where exposed to electric sparks. Keep away from fire and open flame. Ground containers when transferring from one to another.

OTHER PRECAUTIONS

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Wear a properly fitted NIOSH/MSHA approved respirator at all times during exposure to vapors/mists. Where ventilation is inadequate, use full-face air supplied respirator mask.

VENTILATION

Explosion proof mechanical exhaust as required to maintain vapor concentration below lower flammable limit (see Section IV). Not recommended as sole means to control workplace exposure.

PROTECTIVE GLOVES

Impervious (Neoprene) gloves where contact in handling or usage may occur

EYE PROTECTION

Chemical splash goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Where contact can occur, a safety shower and eye wash facility should be available.

WORK/HYGIENIC PRACTICES

After contact with material, change clothing and thoroughly wash hands before eating, drinking or smoking.

===== SECTION IX - DISCLAIMER =====

DISCLAIMER

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